

FIG. 1

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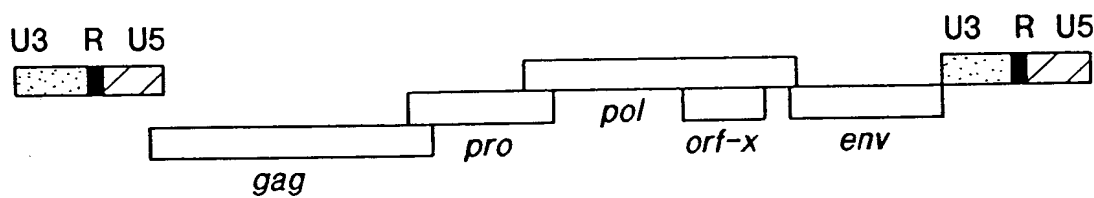


FIG. 2a

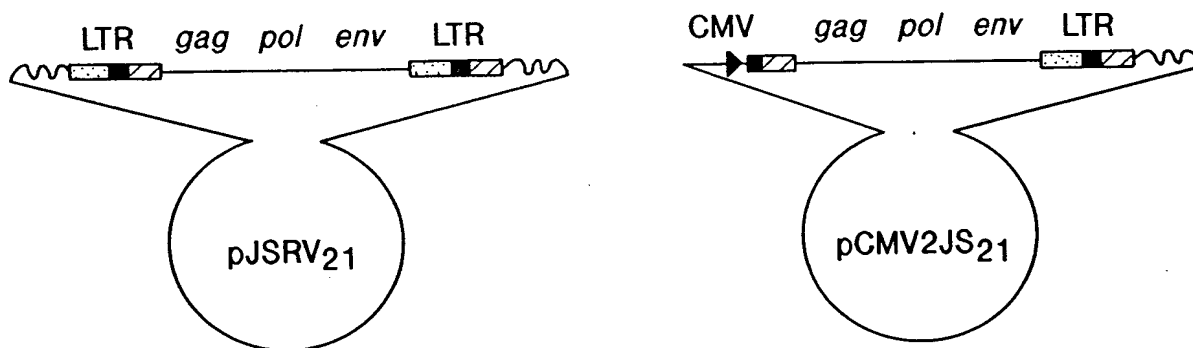


FIG. 2b

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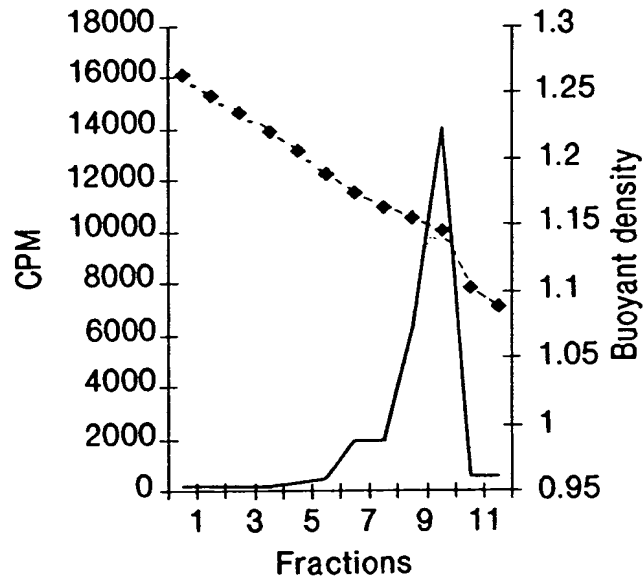


FIG. 3a

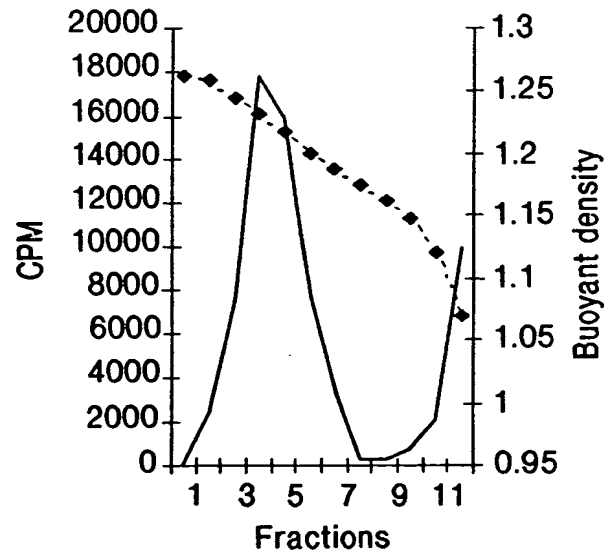


FIG. 3b

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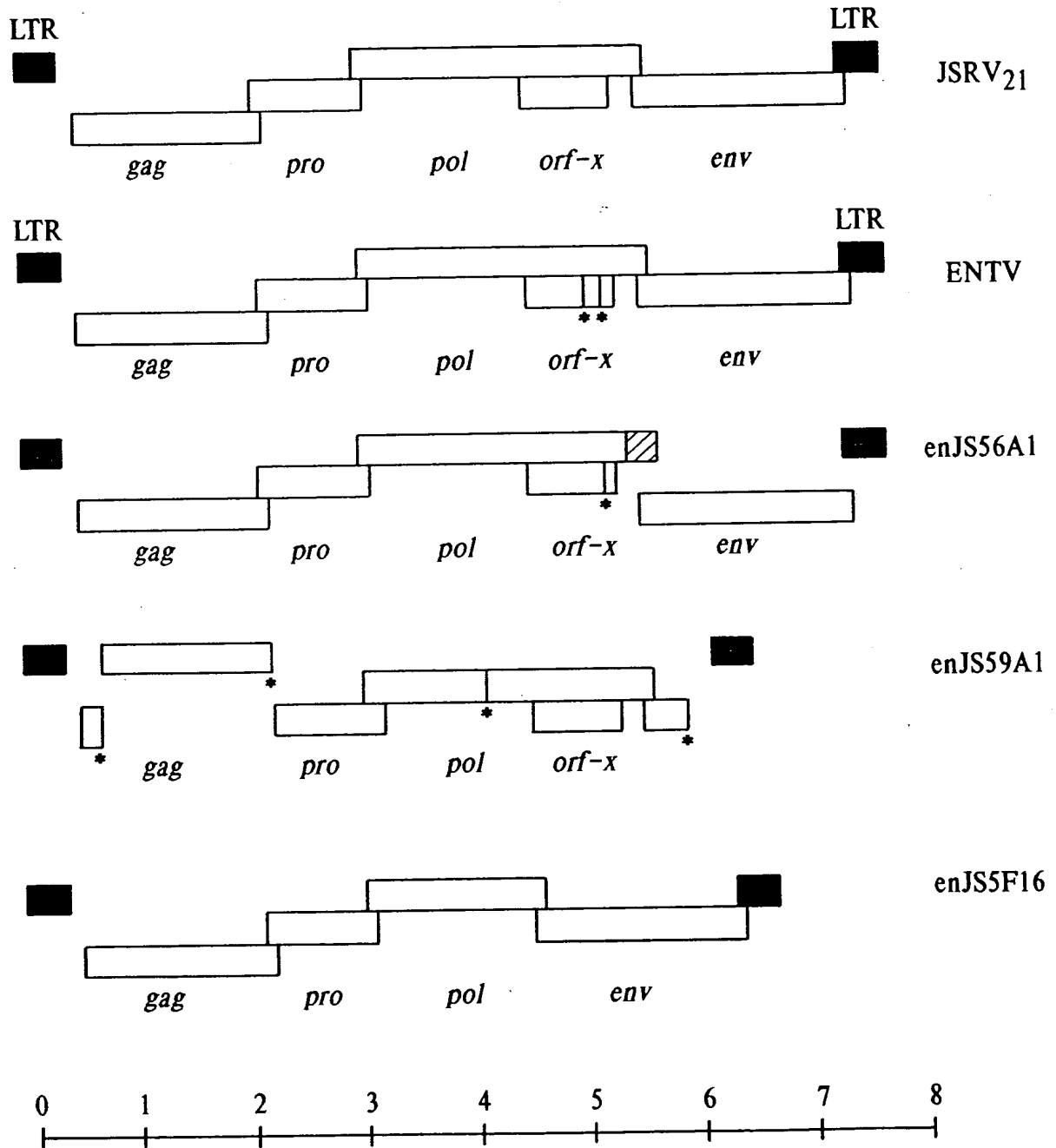


FIG. 4

VRI

VR2

CA

FIG. 5-1

γHpaI

JSRV2I	LSGGDYLLWKSEFFEQCARIADVNRQQGIQTSYEMLI GEGPYQATOTQLNFLPGAYAQISNAARQAWKRLPSSSTKTEDL	395
JSRV-SA	.....	396
ENTV	.....K.....	397
en5F16	.....K.....	400
en56A1	.....H.....	400
	.....K.....	400
	.....K.....	400
	.....K.....	400
JSRV2I	SKVRQGPDEPYQDFVARLLDTIGKIMSDEKAGMVLAKQLAFENANSACQAALRPYRKKGDLSDFIRICADIGPSYMQGIA	475
JSRV-SA	.....	476
ENTV	.....	477
en5F16	.....	480
en56A1	.....Q.....	480
	.....A.....	480
JSRV2I	MAAALQGKSIKEVLFQQQARNKKGLQKSGNSGCFVCGQPGHRAAVCPQKQQGPVNTPNLCPRCKKGGKHWARDCRSKTDVQ	555
JSRV-SA	.....	556
ENTV	.....R.R.R.....	557
en5F16	.....L.....	560
en56A1	.....S.....	560
	.....S.....	560
	.....S.....	560
	.....H.....	560
JSRV2I	GNPLPPVSGNWVRGQPLAPKQCYGATLQVPKEPLQTSVEPQEAARDWTSVPPPIQY.	612
JSRV-SA	613
ENTVT.....	614
en5F16G.....	617
en56A1G.....	617

CA ←

FIG. 5-2

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JSRV21      MPKRRAGFRKGWYARQNSLTHQMQRMTLSEPTSELPTQRQIEALMRYAWNEAHVQPPVPTPTNILLMLLLLRVQNGAA 87
            .....P..... 80
JSRV-SA     ..... 80
ENTV        H.....Y.....N.T.NG.....V.....H.....A.IK.....I..... 80
            ..... 87
enJS56A1    ..... 87
enJS5F16    .....HK.....I..... 87

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JSRV2I	AAFWAYIPDPPEMIQSLGWDREIVPVYVNDTSLLGKSDIHISPPQANISFYGLTTQYPMCFSYQSQHPCIQVSADISYP	167
JSRV-SA	.	160
ENTV	.	160
enJS56A1	K.T.	167
enJS5F16	K.T.	167

	RVTISGIDEKTGKKS	YNGSGPLDIPFCDKHLSIGIGIDTPWTLCRARVASVYNINNANATFLWDWAPGGTPDFPEYRGQ	7/13 247
JSRV21	T.	.	240
JSRV-SA	R..R.T.	N..S.....I.....T.L.	240
ENTV	R..RD.T.	P.I.....T.L.	247
enJS56A1	R..RD.T.	I.....T.L.	247
enJS5F16			

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JSRV21  HPPIFSVNTAPIYQTELWKLLAAAFGHGNSLYLQPNISGSKYGDVGVTGFLYPRACVPYPFMLIQGHMEITLSLNIYHLNC 327
JSRV-SA .....T..... 320
ENTV    ...L...F..... 320
enJS56A1 ..... 327
enJS5F16 ...L...F..... 327

```

FIG. 6-1

SU ← TM

JSRV21	SNCILTN CIRGVAKEQV IIVKQPAFVMLPVEIAEAWYDETALELLQRI NTALSRPKRGLSLIILGIVSLITLIATAVTA	407
JSRV-SA	.....	400
ENTV	.....T.E.....	400
enJS56A1	.....T.E.....	407
enJS5F16	.....T.E.....	407
JSRV21	SVSLAQSIQAAHTVDSL SYNVTKVMGTQEDIDKKIEDRLSALYDVVRVLGEQVQSI NFRMKIQCHANYKWICVTKKPNT	487
JSRV-SA	C.....	480
ENTV	.....	480
enJS56A1	.....S.....N.....	487
enJS5F16	.....H.....	487
JSRV21	SDFPWDKVKKHLQGIWENTNLSDLLQLHNEILD IENSPKATLN IADTVDNFLQNLFSNFP SLHSLWKT LIGVILVFII	567
JSRV-SA	.....L..F.I..	560
ENTV	.....Y.....E.....V.....N.....QSI.VIA.I..V	560
enJS56A1	.....TV.....RSI.AM.AVLTVV	567
enJS5F16	.....V.....QSI.AM.AVLTVV	567
V R3		
JSRV21	IVVILIFPCLVRGMVRDFELKMRVEMLHMKYRNMLQH QHLMELLKNKERGDAGD--D-P	622
JSRV-SA	AI..FV...V...L.....T....R.....A....P.	616
ENTV	.....LV...T..LIK...Q..I.LI.....Y...Y.K..DFV.KR.GSCG.QPAEG.	618
enJS56A1	LII.CLA...I.SI.KE..H...-LI.-K.....A....P	618
enJS5F16	LII.CLA...I.SI.KE..H...-LI.-K.....A....P	618

FIG. 6-2

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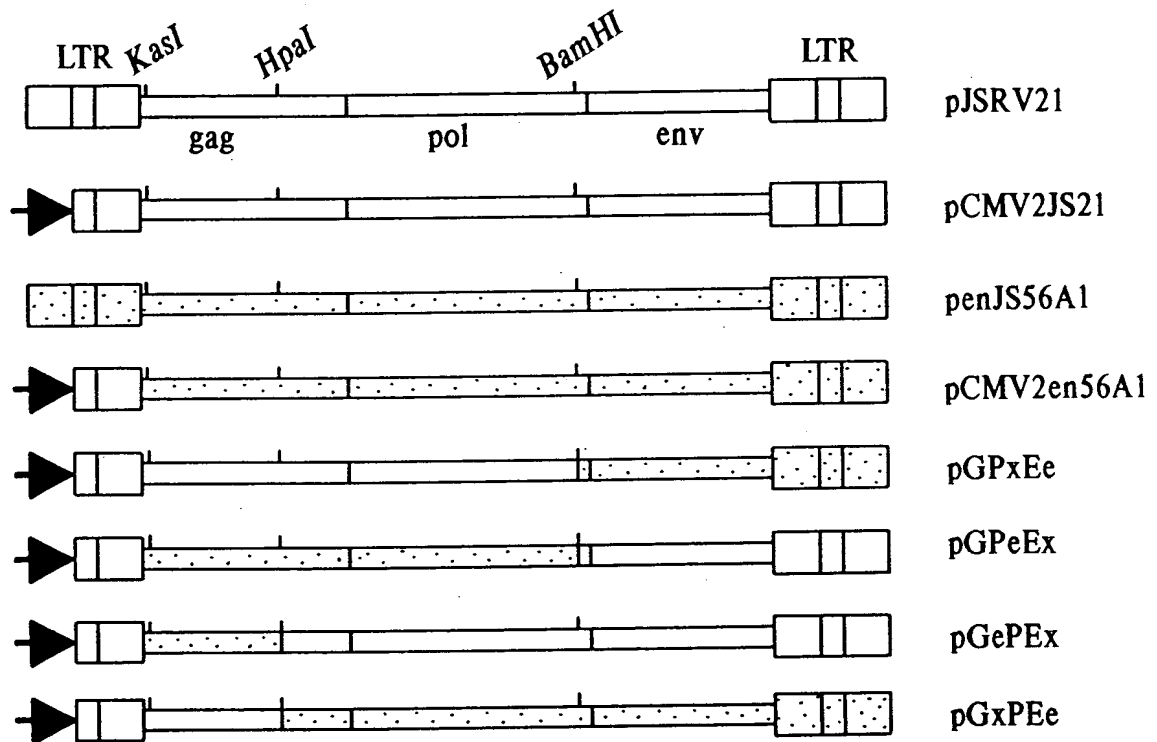


FIG. 7

PBS	
JSRV21	TGGCGCCCAACGTTGGGGCTCGAGCTCGACAGTTTCTTC-GCCACTACTCTCTCATTAAATTGAAACAAGTGAGTATATGGAT 79
JSRV-SA	.....C.....CT.....A..... 80
ENTV	.....C...-T.....T.....CA.....T..A.. 73
enJS5F16	.....C...-.....T.....AG.....AG. 92
enJS59A1	.....A.....C--AT.....T...GC.....AG.....AG. 89
enJS56A1	.....C.C.-.....T.....AG.....AG. 92
<hr/>	
JSRV21	AAACGGGTGAATTTAAGGAGGAGTAGTAAGGTATATAGTTGAGAGTATAAAT 135
JSRV-SA	....AA..AGCC...A..... 136
ENTV	G..TAA...T...CA...A..... 129
enJS5F16	C..AA.....A..G..... 148
enJS59A1	T..AA.....A..G..... 145
enJS56A1	C..AA.....A..G..... 148

FIG. 8

FIG. 9A

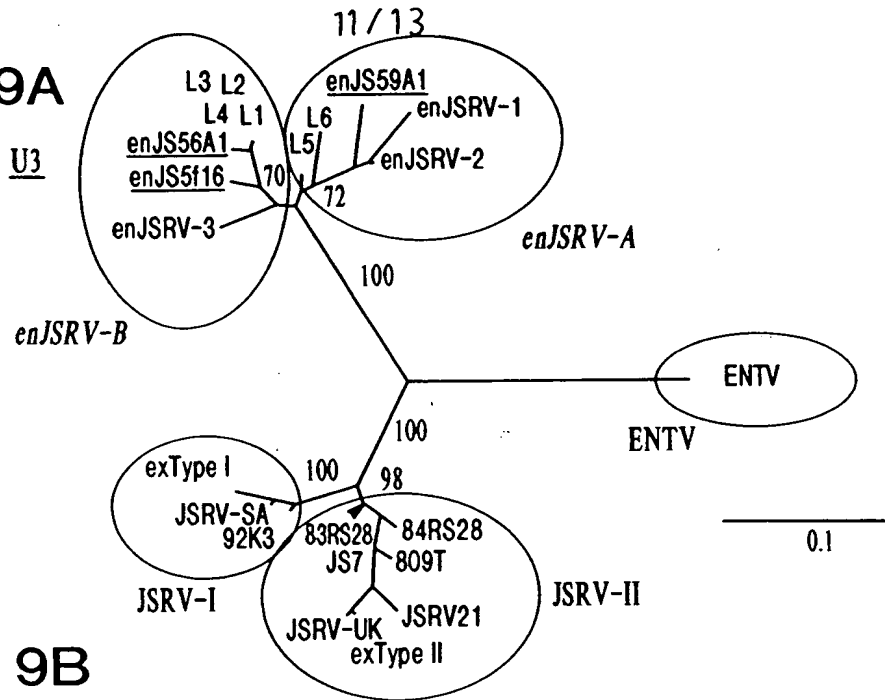


FIG. 9B

env

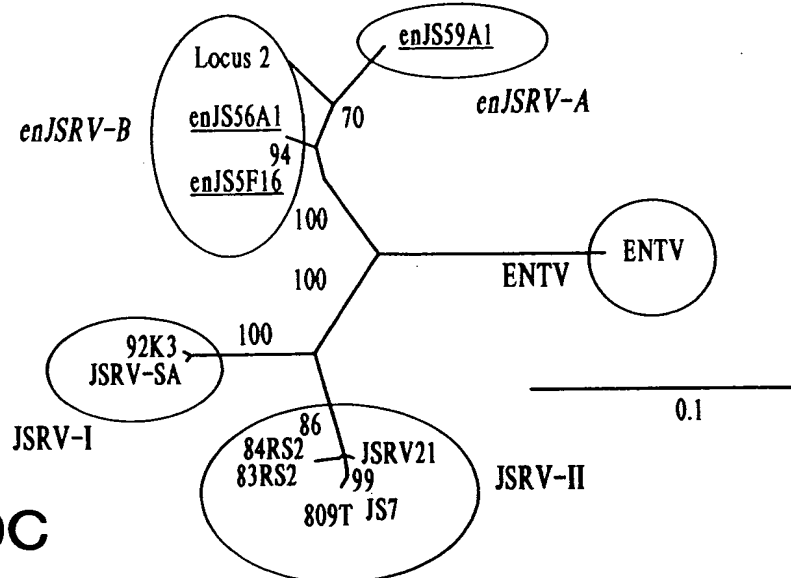
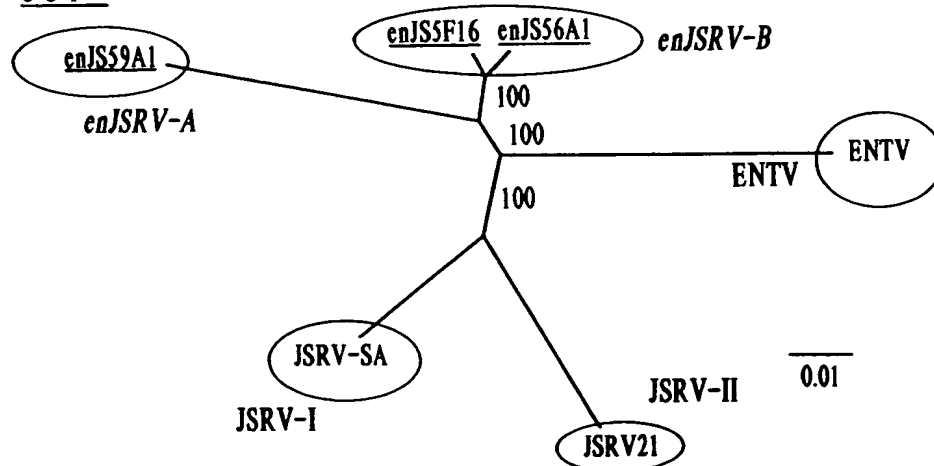


FIG. 9C

gag/pol



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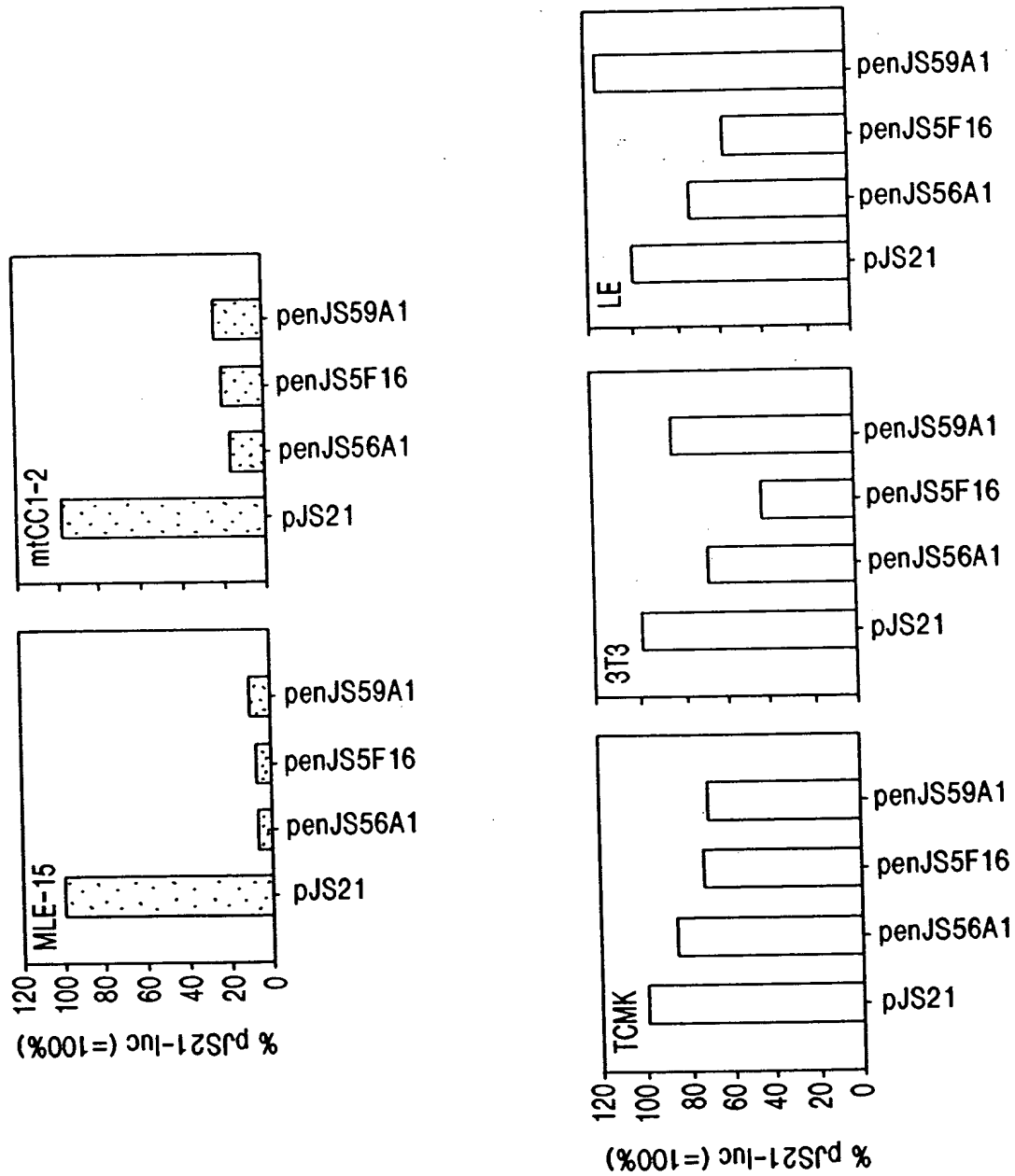


FIG. 10

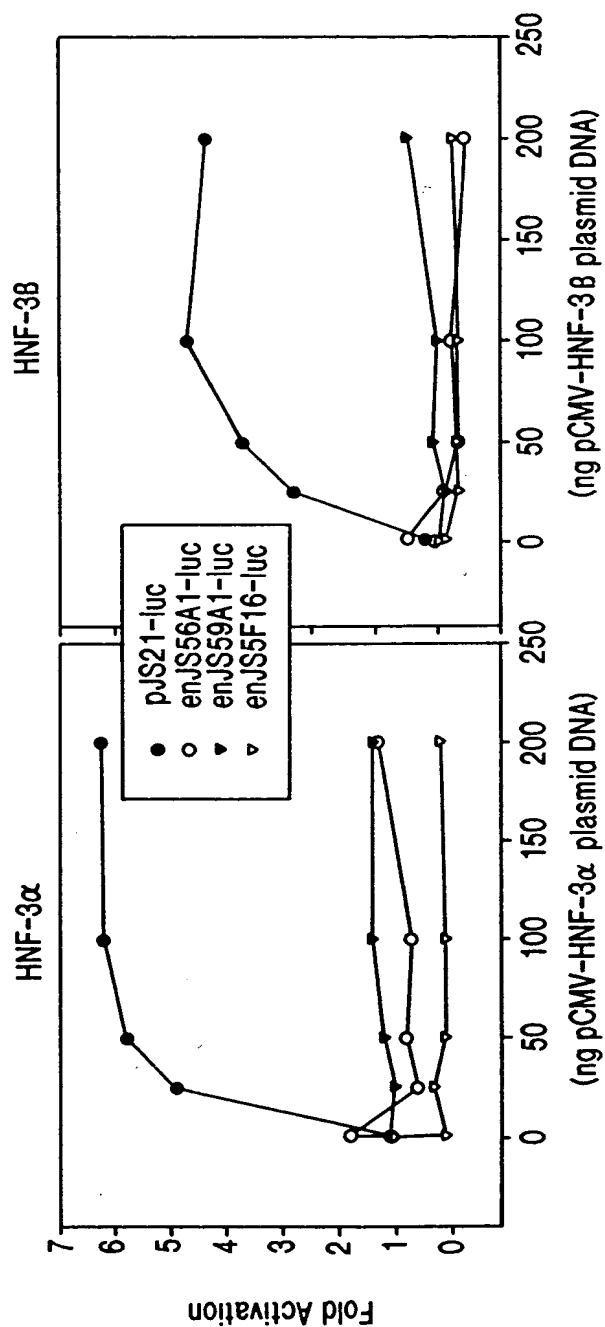


FIG. 11